

To: "Witzman, Jean" [jwitzman@water.ca.gov]
Cc: "Kuenster, Gail" [kuenster@water.ca.gov]; Nepstad, Michael G SPK"
[Michael.G.Nepstad@usace.army.mil]; Foresman, Erin L SPK"
[Erin.L.Foresman@usace.army.mil]; aul Jones/R9/USEPA/US@EPA[]
From: "Finan, Michael C SPK"
Sent: Thur 6/28/2012 11:46:25 PM
Subject: RE: existing JD's in BDCP study area (UNCLASSIFIED)
<http://per2.nwp.usace.army.mil/survey.html>
michael.c.finan@usace.army.mil
<http://per2.nwp.usace.army.mil/survey.html>
<http://www.spk.usace.army.mil/Missions/Regulatory/RegulatoryOverview.aspx>
<mailto:jwitzman@water.ca.gov>

Classification: UNCLASSIFIED

Caveats: NONE

Jean, Another delineation that just came to mind is one we recently verified for DWR (Patty Quickert) for the Dutch Slough Restoration project ID# 200400043. Although this one may only partially overlap BDCP area, it is another reasonably good example of delineating wetlands in an agricultural setting in the Delta. I am looking at a couple of others using our data base map, but need to pull actual files to see if we actually verified delineations. I did talk briefly to one of our GIS experts and he indicated it might be easier if you could provide a shape file for the mapped area you previously sent as a pdf so we can potentially search our data base for larger verified delineations.

Also, I looked at your most recently proposed methodology and have the following initial comments:

1. Would be good to add several things to the data sources list: (a) LIDAR mapping, as we discussed last meeting, (b) high resolution aerials flown in late Feb/early Mar on clear day after later rain storms of a normal rainfall year (e.g., 2006, 2011). That kind of aerial imagery would help to sort out (as a surrogate to actual on the ground monitoring) which agricultural fields, or portions thereof, would likely be wet absent irrigation under normal circumstances, and (c) Six County Aquatic Resources Inventory (SCARI) if overlapping Project/Extra Area Mapped for additional mapping information (e.g., NHD or NWI).
2. The types of wetlands (Table 1) could be simplified to approximately 7 types which are more closely aligned to CRAM/HGM categories for initial mapping of potential waters, including wetlands. For example, "Tidal channel" and "Tidal vegetation" (and other distinctions between open water and vegetated areas) could be merged and called Estuarine. Potential waters to be mapped would then be Estuarine, Lacustrine, Depressional, Riverine (not Fluvial), Playa, Seep and Vernal Pools. No need to distinguish between vernal pools and complexes, just map all wetlands which can be so distinguished as Vernal pools, then decision about how to CRAM (as single pool or system) can be made later as assessment areas are chosen. Please see CRAM Wetland Type Identification flowchart which clarifies these distinctions. The Cowardin classification for each would follow accordingly.
3. Under Documentation, The final product should include "project study area maps" with all potential waters, including wetlands, shown and appropriately labeled according to type in Table 1.

Please let me know if you have questions or I can clarify. Thanks,

Michael Finan, Wetland Specialist
U.S. Army Corps of Engineers
Sacramento District, Regulatory Division

1325 J Street, Room 1350, Sacramento, CA 95814-2922

PH: (916) 557-5324 (9am-3pm); FAX: -7803

michael.c.finan@usace.army.mil

* We want your feedback! Take the survey: <http://per2.nwp.usace.army.mil/survey.html>

* Need information on the Regulatory Program? Visit our website:

<http://www.spk.usace.army.mil/Missions/Regulatory/RegulatoryOverview.aspx>

BUILDING STRONG®

From: Finan, Michael C SPK
Sent: Wednesday, June 27, 2012 6:01 PM
To: 'Witzman, Jean'
Cc: Kuenster, Gail; Nepstad, Michael G SPK
Subject: RE: existing JD's in BDCP study area (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Hi Jean, I have not had a chance to search our data base or ask one of our students to look for verified delineations. However, I do have at least one large ~20,000 acre delineation (Delta Wetlands-190109804) which overlaps your project which should be verified and available through FOIA towards the end of July. Also have asked others here if they have any larger ones which overlap and I have quickly perused ORM maps and have a couple of others which I need to match ID numbers with project names to give you (e.g., Shin Kee Tract-200700835, 200700005, 200800956) you could use to calibrate yours. This takes some time to look into and not sure best way, but will check to see if I can use student time and try to get you a short list either way by end of July. Thanks,

Michael Finan, Wetland Specialist

U.S. Army Corps of Engineers
Sacramento District, Regulatory Division

1325 J Street, Room 1350, Sacramento, CA 95814-2922

PH: (916) 557-5324 (9am-3pm); FAX: -7803

michael.c.finan@usace.army.mil

* We want your feedback! Take the survey: <http://per2.nwp.usace.army.mil/survey.html>

* Need information on the Regulatory Program? Visit our website:

<http://www.spk.usace.army.mil/Missions/Regulatory/RegulatoryOverview.aspx>

BUILDING STRONG®

From: Witzman, Jean [mailto:jwitzman@water.ca.gov]
Sent: Friday, June 15, 2012 9:51 AM
To: Finan, Michael C SPK
Cc: Kuenster, Gail
Subject: existing JD's in BDCP study area

Hi Mike-

Were you or your staff able to find existing JD's within the BDCP study area boundary (shown in BDCP_Extent.pdf)? We are hoping to compare our wetland mapping with the JD's as a way to assess our accuracy.

Thanks,

Jean

Jean Witzman

Staff Environmental Scientist

Division of Environmental Services

Department of Water Resources

3500 Industrial Blvd.

West Sacramento, CA 95691

916-376-9794

Classification: UNCLASSIFIED

Caveats: NONE

Classification: UNCLASSIFIED

Caveats: NONE